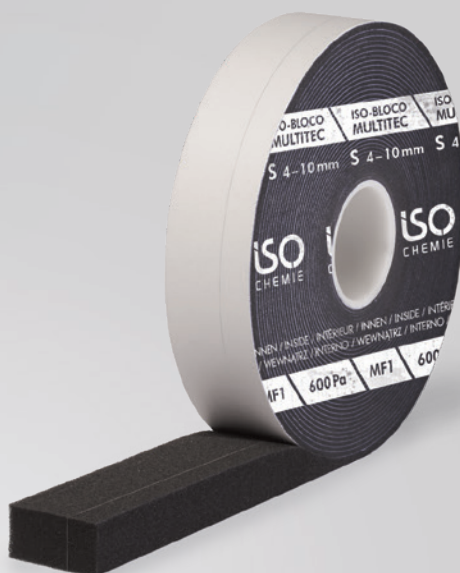


PRODUCT DATA SHEET

ISO-BLOCO MULTITEC



PRODUCT DESCRIPTION

ISO-BLOCO MULTITEC is an MF1-tested pre-compressed multi-functional tape with hybrid technology for creating 3-layer seals around window, door and other connection joints that are air tight, impermeable to driving rain and thermally insulating. This hybrid combination of flexible, impregnated foam and an air tight, moisture-regulating membrane film layer provides reliable and cost-effective joint sealing in accordance with the “inside tighter than outside” principle. Even when subject to extreme climate changes, ISO-BLOCO MULTITEC offers excellent structural movement compensation and due to its ability to continuously absorb movement; reliably prevents convection heat loss.

APPLICATION

ISO-BLOCO MULTITEC is the hybrid further development of conventional multi-functional tapes with integrated film barrier layer. It is ideal for the requirements of energy-efficient joint sealing when installing windows or doors and when sealing structural and modular elements. In new builds and renovations, ISO-BLOCO MULTITEC can be applied directly to the building structure in combination with supporting frames and can be used for in front of wall installation in the insulation level. It offers the specified airtightness and maximum thermal protection for all types of building (e.g. KfW energy-efficient houses, passive houses and plus energy houses).

PRODUCT ADVANTAGES

- MF1-tested 3-level-sealing
- improved airtightness thanks to integrated membrane film
- cost-effective sealing of structural joints
- optimised storage costs thanks to wide sealing application range
- saves energy thanks to excellent thermal insulation and air tightness
- healthy living environment due to optimising f_{RSi} factor
- weather-resistant without additional measures (MF1)
- clear identification of the tape quality, dimension and inner side
- complies with the requirements of the Building Energy Act and the recommendations of the RAL “installation guide”
- 10 Year Function Warranty*

* On the conditions of the manufacturer (available on request).

PACKAGING

rolls, roll length: 30 m (dimension S), 20 m (dimension M), 12 m (dimension L)



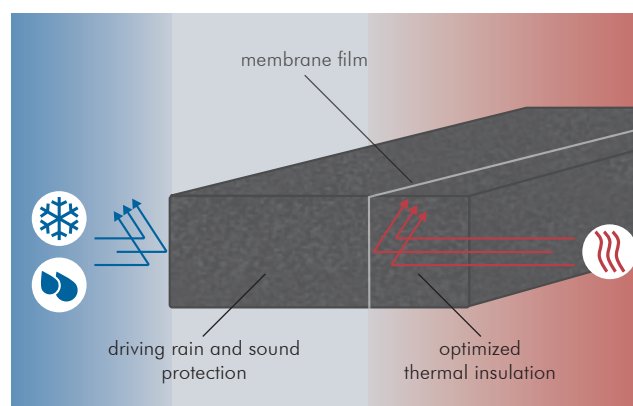
ISO-BLOCO MULTITEC



Technical data	Standard	Classification
Material description		impregnated PUR flexible foam with hybrid technology
Colour		anthracite
Impermeable to driving rain, single joint	DIN EN 1027	$\geq 600 \text{ Pa}$
Temperature stability range	DIN 18542	-30°C to $+80^\circ\text{C}$
Classification according to	DIN 18542-2020	MF 1
Air permeability coefficient	DIN EN 12114	$\alpha < 0.05 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$
Protection of the functional level	DIN 18542	fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 TP P3	requirements fulfilled
Building material class	DIN 4102	B1 (fire resistant)
Thermal conductivity	DIN EN 12667	$\lambda_{10, \text{tr}} \leq 0.049 \text{ W} / \text{m} \cdot \text{K}$
U-value for tape width 65 mm / 70 mm / 75 mm	DIN 4108-3	$U = 0.8 \text{ W} / (\text{m}^2 \cdot \text{K}) / 0.7 \text{ W} / (\text{m}^2 \cdot \text{K}) / 0.65 \text{ W} / (\text{m}^2 \cdot \text{K})$
Sound reduction		up to 54 dB
Humidity management		inside tighter than outside due to foil membrane
Shelf life		1 year, dry and in original packing
Storage temperature		$+1^\circ\text{C}$ to $+20^\circ\text{C}$

Tape width / area of appli- cation	Recommended joint width*			
	MF1	S	M	L
60 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
64 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
70 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
74 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
80 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
84 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
90 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
94 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
100 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm
104 mm		4 – 10 mm	6 – 20 mm	10 – 30 mm

* Movements in structural elements and temporary longitude changes are to be taken into account when determining the max. joint width.



3-level functional design (diagram)